

1 **ABSTRACT OF THE DISCLOSURE**

2 An injection joint for an IV device tube has a connector with a sealed
3 injection port. The sealed injection port has an injection port socket, a resilient
4 plug and a cap. The resilient plug is mounted in the injection port socket and has
5 a tapered flange and multiple through holes. The cap has a threaded nipple and is
6 securely mounted in the injection port socket around the resilient plug. The
7 tapered flange selectively blocks the threaded nipple. When adding medicinal
8 solution to the injection joint, a syringe without a needle but with an inner
9 threaded opening is screwed onto the threaded nipple of the cap. Pushing the
10 tapered flange into an axial passage in the neck allows the medicinal solution to
11 pass through the through holes and into the injection port socket. The present
12 invention improves the safety to medical personnel when injecting solution into
13 the injection joint.